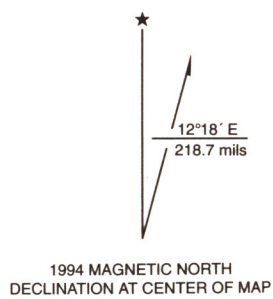
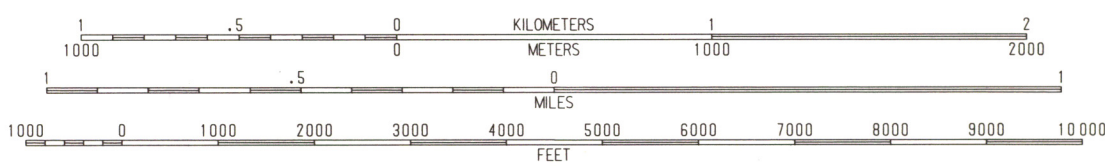


Base map from U.S. Geological Survey Coyote Knolls, Utah
Provisional Edition Quadrangle, 1991.

SCALE 1:24 000



GEOLOGIC MAP OF THE COYOTE KNOLLS QUADRANGLE, MILLARD COUNTY, UTAH

by
DOROTHY SACK
Ohio University

1994



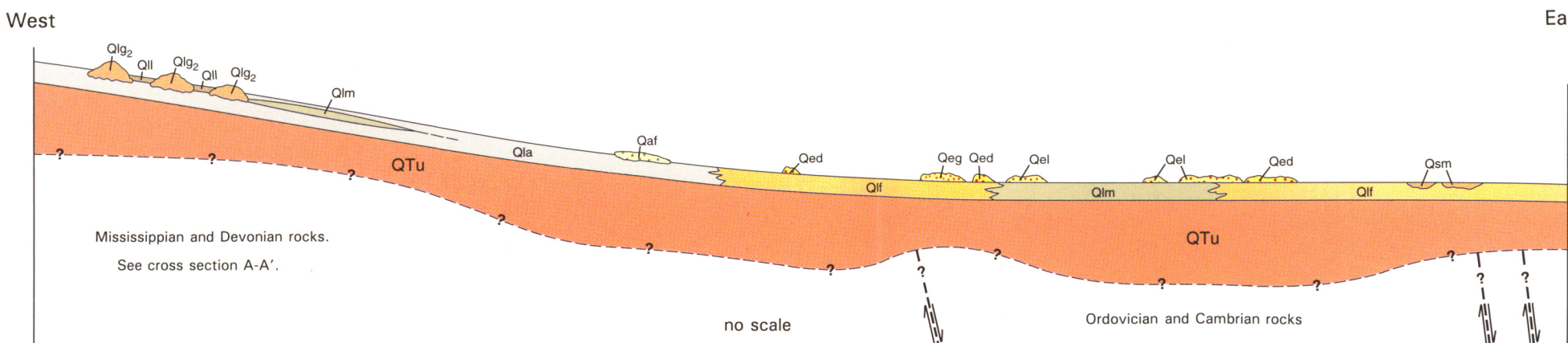
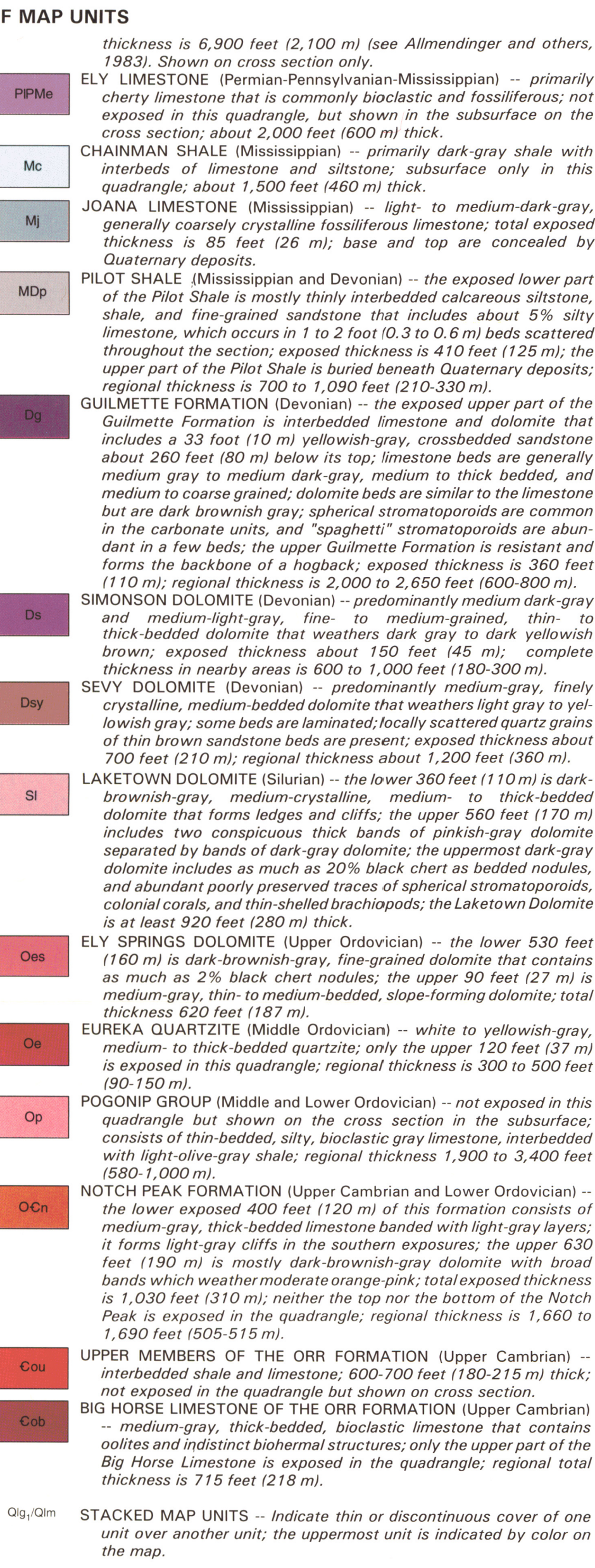
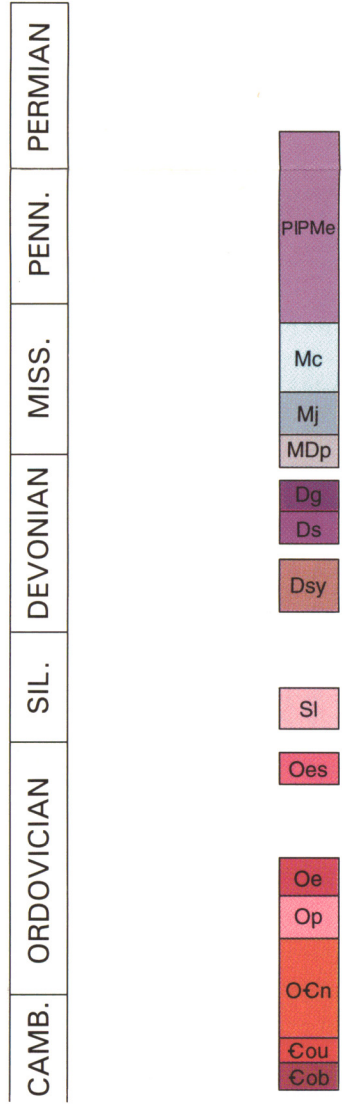
QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	9

1 Granite Mountain
2 Middle Range South
3 Sand Flats
4 Big Horn
5 Sweeney Peak NW
6 Cowboy Peak
7 Chalk Knolls
8 Sweeney Peak SW

ADJOINING 7.5' QUADRANGLE NAMES

Field work completed 1988-89.
Cartography by Patricia H. Speranza.



ERA	PERIOD	MAP UNIT	MAP SYMBOL	THICKNESS*		LITHOLOGY
				feet	meters	
PALEOZOIC	PERMIAN					
	PENNSYLVANIAN	Ely Limestone	PPMe	2000	600	not exposed
	MISSISSIPPIAN	Chainman Shale	Mc	1500	460	not exposed
		Joana Limestone	Mj	85 (50-200)	26 (15-60)	corals, crinoids
		Pilot Shale	MDp	410 (700-1090)	125 (210-330)	not exposed weathers yellowish gray dark gray medium dark gray
	DEVONIAN	Guilmette Formation	Dg	360 (2000-2650)	110 (600-800)	not exposed
		Simonson Dolomite	Ds	150 (600-1000)	45 (180-300)	
		Sevy Dolomite	Dsy	700 (1200)	210 (360)	medium dark gray thin sandstone beds fault
						medium gray
	SILURIAN	Laketown Dolomite	Sl	920 (1000)	280 (300)	dark gray, cherty pinkish gray bands dark brownish gray
	ORDOVICIAN	Ely Springs Dolomite	Oes	620	187	light gray dark gray
		Eureka Quartzite	Oe	120 (300-500)	37 (90-150)	
		Pogonip Group	Op	2800 (1900-3400)	850 (580-1000)	not exposed
	CAMBRIAN	Notch Peak Formation	OCn	1030 (1700)	310 (520)	dark brownish gray, with pinkish gray bands medium gray
		Orr Fm.				
upper members		€ou	(600-700)	(180-210)	not exposed	
	Big Horse Limestone	€ob	135 (715)	41 (220)	oolitic, bioclastic not exposed	

